Application No.: To Be Assigned MAT-8894US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) An information-processing device at a communication source, that communicates with an information-processing device at a communication destination through a communication control device at the communication source, comprising:

a span of packet life setting part that sets a span of packet life in a range in which a bubble packet transmitted from the information-processing device at the communication source in order to leave a transmission history in the communication control device at the communication source, does not reach the information-processing device at the communication destination; and

a bubble packet transmitter that transmits a bubble packet having a span of packet life that the span of packet life setting part has set, through the communication control device at the communication source.

(Original) An information-processing device as claimed in claim 1, wherein

communication between the information-processing device at the communication destination and the information-processing device at the communication source is performed through a communication control device at the communication destination; and wherein

the span of packet life setting part sets a span of packet life in a range in which a bubble packet does not reach the communication control device at the communication destination.

3. (Currently Amended) An information-processing device as claimed in one of claim 1-and claim 2, wherein

the span of packet life setting part sets a span of packet life so that the bubble packet can reach a relay node that relays packets from a global address to Application No.: To Be Assigned MAT-8894US

another global address.

packet.

4. (Original) An information-processing device as claimed in claim 3, wherein

the span of packet life setting part sets a span of packet life so that the bubble packet can reach a relay node closest to the information-processing device at the communication source, out of relay nodes that relay packets from a global address to another global address.

5. (Original) An information-processing device as claimed in claim 3, wherein

the span of packet life setting part sets a span of packet life with increasing the number of relay nodes that the bubble packet can reach, by one every time the bubble packet transmitter transmits a bubble packet, until communication is established between the information-processing device at the communication source and the information-processing device at the communication destination.

6. (Original) An information-processing device as claimed in claim 2, wherein

the span of packet life setting part sets a span of packet life with which the bubble packet can reach a relay node located before the communication control device at the communication destination.

- 7. (Original) An information-processing device as claimed in claim 3, wherein the span of packet life setting part sets a TTL (Time To Live) for a bubble
- 8. (Currently Amended) An information-processing device as claimed in one of claim 1-and claim 2, further comprising

a relay node counter that counts the number of relay nodes from the information-processing device at the communication source, wherein

the span of packet life setting part sets a life of the bubble packet based on the number of relay nodes counted by the relay node counter.

9. (Original) An information-processing device as claimed in claim 8, wherein

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the relay node counter counts the number of relay nodes with trace route.

10. (Original) An information-processing device as claimed in claim 4, further comprising

a relay node counter that counts the number of relay nodes located from the information-processing device at the communication source to a relay node closest to the information-processing device at the communication source, out of relay nodes that relay packets from a global address to another global address, wherein

the span of packet life setting part sets a span of packet life of the bubble packet based on the number of relay nodes counted by the relay node counter.

11. (Original) A method of transmitting a bubble packet in an information-processing device at a communication source that communicates with an information-processing device at a communication destination through a communication control device at the communication source, comprising:

setting a span of packet life in a range in which a bubble packet transmitted from the information-processing device at the communication source in order to leave a transmission history in the communication control device at the communication source, does not reach the information-processing device at the communication destination; and

transmitting a bubble packet that transmits a bubble packet having a span of packet life that the span of packet life setting part has set through the communication control device at the communication source.

12. (Cancelled).